

3.5.5 Ink Marking. This method shall be used for identifying parts or completed assemblies which do not have identification plates or have plates already mounted. It shall also be used to replace missing etched or screened characters. Marking ink shall be permanent, non-nutrient to fungus and nonconductive. A protective coating of compatible fungus-resistant, moisture-resistant material shall be applied over the ink marking. Marking materials and covercoat shall be compatible with the surface being marked and with each other.

- a. Inking Material. Cat-L-Link No. 50-XXX (X's indicate approximate color) with air curing catalyst No. 20. Wornow Process Paint Co., Los Angeles, California, Code Ident: 79436. Alternate material: SCHABOS NPO Signierfarbe.
- b. Color. White on medium to dark colored backgrounds. Black on light colored backgrounds. Silver or white on rubber parts.
- c. Typical Use. Parts without identification plates, or items with plates already attached. Etching ink for cable tags.
- d. Protective Coatings. Protective coatings used may be selected from the following:

SCHABOS	Signier Spray
AN-12	Clear Plastic, Marsh Stencil Machine Company
No. 1202	Clear Gylptal, General Electric Company
No. 1303	Clear Coating, Krylon Inc.
RK-302	Clear Varnish, E.I. duPont de Nemours Company
No. 1202	Clear Lacquer, E.I. duPont de Nemours Company
Orange Shellac Varnish	
White Shellac Varnish	
Corrocote 1295 (on Neoprene)	
Spar Varnish or clear acrylic coating compounds used as overcoatings shall conform to TT-V-121 or MIL-C-17504.	

3.5.6 Chemical Etching. Chemically etched characters shall be between 0.003 and 0.006 inch deep. Use a process similar to that used for producing printed circuit boards. The etchant resist may be either photo or screen applied. The etching shall be performed prior to application of any finish. Characters may be filled with baking enamel. This process may also be used to etch the background material 0.003 to 0.006 inch deep and leave metallic characters.

- a. Color. Black for fill of etched characters or etched background.
- b. Typical Use. Basic identification plates, etched printed circuit markings.

3.5.7 Electro-Chemical Etching. This process is used on metal parts which have plating or similar finishes already applied. These markings are permanent and should be wiped with oil after marking.

- a. Typical Use. Black oxidized, anodized, or parts not conducive to ink marking.